

## RULES OF CONDUCT

### Expert Panel on the Health Effects of Asbestos and Synthetic Vitreous Fibers: The influence of Fiber Length October 29-30, 2002

- This is a scientific meeting to review and discuss health effects associated with asbestos and synthetic (man-made) vitreous fibers (SVFs), especially those of less than 5 microns in length. Comments regarding ATSDR policy are not relevant at this time.
- The purpose of this meeting is for ATSDR to receive input from the invited panel on the charge issues, therefore the majority of the meeting is devoted to discussions among the expert panel members and will follow the agenda and address the charge issues.
  - Where possible, panel members are asked to provide citations for statements made.
  - Panel members are asked to clearly describe the basis for stated conclusions.
  - Panel members are asked to listen to all points of view, as they are relevant to the charge issues.
  - Consensus is not expected, nor may it always be possible.
- All parties are asked to maintain an atmosphere of respect for everyone present, including the panel members, observers, and ATSDR.
- All parties are asked to respect the agenda, and not to interrupt the meeting.
- Observer Comment Periods: Two periods during the meeting have been set aside to hear from the observers:
  - Tuesday, October 29, at 6:30PM
  - Wednesday, October 30, at 4:30PM
- For oral commenters:
  - Oral commenters must sign in at the registration desk. You will be called upon in the order in which you sign up. You will find a sign in list at the registration desk.
  - Due to limited time, observers have been allotted a maximum of 5 minutes to comment. You will need to end your comment when 5 minutes have passed, even if the comment is incomplete.
  - To ensure fairness to all commenters, *the five-minute time limit will be strictly enforced*, so that we may accommodate all those who wish to speak.
  - Should there be any additional time at the end of the comment period, and all observers who have signed up have been heard, the chair will recognize anyone else who wishes to comment.
  - Because of the limited time for oral comment, audiovisual aids cannot be accommodated.
- If you have any questions about process or format, please see Kate Schalk of Eastern Research Group, Inc.



# Expert Panel on Health Effects of Asbestos and Synthetic Vitreous Fibers (SVF): The Influence of Fiber Length

## Agenda

### Day #1, Tuesday, October 29, 2002 (afternoon only)

1:00 PM	Registration	
1:30 PM	Introductory remarks .....	<i>Dr. Henry Falk Assistant Administrator, ATSDR</i>
1:45 PM	Purpose of meeting .....	<i>RADM Robert C. Williams Director, Division of Health Assessment and Consultation, ATSDR</i>
2:00 PM	Review of meeting charge and agenda .....	<i>Morton Lippman, Ph.D. Panel Chair</i>
2:15 PM	Introduction of panelists .....	<i>Panelists</i>
2:25 PM	Meeting logistics .....	<i>ERG</i>

#### Topic #1: Physiological Fate of Asbestos and SVF less than 5 Microns in Length

2:30 PM	What happens to small fibers when inhaled? Discussion Leaders: <i>Dr. Lippmann and Dr. Oberdorster</i>
	<ul style="list-style-type: none"><li>➤ <i>Depositional patterns in the lung</i></li><li>➤ <i>Clearance</i></li><li>➤ <i>Biopersistence</i></li><li>➤ <i>Migration from the lung</i></li><li>➤ <i>Fiber-like vs. particle-like activity patterns</i></li><li>➤ <i>Asbestos vs. MMVF</i></li></ul>
3:30 PM	<i>Break</i>
3:45 PM	<i>Topic #1(continued) .....</i>
5:30 PM	<i>Observer comments/questions</i>
6:00 PM	<i>Adjourn</i>

### Day #2, Wednesday, October 30, 2002

8:00 AM	<i>Review of Day #1 issues .....</i>	<i>Morton Lippman, Ph.D. Panel Chair</i>
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**Topic #2: Health Effects of Asbestos and SVF less than 5 Microns in Length**

8:15 AM	<i>What do human/epidemiological data tell us about small fibers?</i> Discussion Leaders: Dr. Lockey and Dr. Case
	<ul style="list-style-type: none"><li>➢ Cancer effects</li><li>➢ Non-cancer effects</li><li>➢ Irritant effects</li><li>➢ Association between fiber length and fiber-like toxicity</li><li>➢ Thresholds of toxic action</li><li>➢ Asbestos vs. MMVF</li></ul>
9:45 AM	Break
10:00 AM	<i>How do animal/experimental data augment our understanding of human health effects?</i> Discussion Leaders: Dr. McConnell and Dr. Case
	<ul style="list-style-type: none"><li>➢ Cancer effects</li><li>➢ Non-cancer effects</li><li>➢ Irritant effects</li><li>➢ Association between fiber length and fiber-like toxicity</li><li>➢ Thresholds of toxic action</li><li>➢ Asbestos vs. MMVF</li></ul>
12:00 PM	Lunch
1:00 PM	<i>What are the mechanisms of action of small fibers?</i> <i>Can the more robust knowledge base about other fiber or particle materials supplement this understanding?</i> Discussion Leaders: Dr. Mossmann and Dr. Wallace
	<ul style="list-style-type: none"><li>➢ Immune system responses</li><li>➢ Cell signaling</li><li>➢ Role of reactive oxygen/nitrogen species</li><li>➢ Function of growth factors</li><li>➢ Other mechanisms</li><li>➢ Asbestos vs. MMVF</li></ul>
3:30 PM	Break
<b>Topic #3: Data Gaps</b>	
3:45 PM	<i>Data gaps and research needs</i> ..... <i>Panelists</i>
4:30 PM	<i>Observer comments/questions</i>
5:00 PM	<i>Conclusions/recommendations</i> ..... <i>Panelists</i>
5:30 PM	<i>Adjourn</i>

(over)



## Expert Panel on Health Effects of Asbestos and Synthetic Vitreous Fibers (SVF): The Influence of Fiber Length

### Panelists

**Bruce Case**

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**William Wallace**

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Molecular Biophysics Team  
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## **ATSDR Expert Panel**

### **Opening remarks by ATSDR:**

(Note: suggested talking points shown in italics)

#### Title Slide

#### ATSDR's Public Health Role:

[Generic slide on ATSDR's public health role]

#### ATSDR's involvement with asbestos exposures:

- Site specific evaluations
- Libby Montana project
- Role in the aftermath of the WTC collapses
  - o *Develop screening levels for reentry*
  - o *Health questions posed to ATSDR on 'short fibers'*
  - o *Residential sampling*

Question: Is this scientific/regulatory basis appropriate for public health?

- Recent concerns about asbestos materials in residential settings
  - o *Libby, WTC residences,*
  - o *Increased residence time / childhood exposures*
- Increased awareness of less than 5 micron material
  - o *Analytical methods have changed over the years*
  - o *Possibility of health effects associated to smaller materials*

#### How does ATSDR use expert panels?

To explore the current state of the science on a focused topic

To bring in outside expertise to augment our understanding of a topic

Provide a technical foundation for internal policy discussions

#### ATSDR's Role in the Panel:

ATSDR developed the initial charge

ATSDR is not requesting consensus or specific policy decision analysis

ATSDR is an observer to the panel proceedings

*[Introduction of Dr. Lippmann for discussion of the charge]*

## Rodenbeck, Sven (ATSDR/DHAC/CAPEB)

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**From:** Naida Gavrelis [Naida.Gavrelis@erg.com]  
**Sent:** Friday, October 25, 2002 11:48 AM  
**To:** ass1@cdc.gov; dld7@cdc.gov; svr1@cdc.gov  
**Cc:** Kate Schalk  
**Subject:** Fwd: agenda and panelist list

**Attachments:** WordPerfect 6.1; WordPerfect 6.1

   
agenda3.wpd panelst.wpd (63  
(70 KB) KB)

Per your request, attached is the most recent agenda and panelist list.

Naida

Naida Gavrelis  
Senior Public Health Scientist  
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110 Hartwell Ave  
Lexington, MA 02421  
781-674-7318  
781-674-2851 (fax)

## Rodenbeck, Sven (ATSDR/DHAC/CAPEB)

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**From:** Kate Schalk [Kate.Schalk@erg.com]  
**Sent:** Thursday, October 24, 2002 5:24 PM  
**To:** ToxPathMCC@aol.com; wwallace@cdc.gov; lippmann@env.med.nyu.edu;  
bruce.case@mcgill.ca; goberdorst@msn.com; james.lockey@uc.edu;  
brooke.mossman@uvm.edu  
**Cc:** ass1@cdc.gov; dld7@cdc.gov; svr1@cdc.gov  
**Subject:** Summary Presentations - AV format

Hello Panel Members,

Thanks again for getting your comments in on time. Can you please plan to be at the meeting site by 1:00PM (or earlier if you wish) on Tuesday?

That will give us a few moments to review the room and AV set up and other logistics. Observers will start arriving at 1:00PM to check in.

As mentioned in our conference call, I will have a lap top and a data view projector available, as well as an overhead projector. You may use whichever format you prefer for your brief summary presentations.

If you plan to use Power Point, please bring your presentation on a CD or 3.5" diskette to load onto the lap top. Please note that my laptop will have both Power Point 97 and Power Point 2000. So please save the Power

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Kate Schalk  
Conference Management Group  
Eastern Research Group, Inc.  
110 Hartwell Avenue  
Lexington, MA 02421-3136  
781-674-7324  
Fax: 781-674-2906  
E-mail: kate.schalk@erg.com

## Rodenbeck, Sven (ATSDR/DHAC/CAPEB)

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**From:** Kate Schalk [Kate.Schalk@erg.com]  
**Sent:** Monday, October 21, 2002 5:31 PM  
**To:** ToxPathMCC@aol.com; wwallace@cdc.gov; lippmann@env.med.nyu.edu;  
bruce.case@mcgill.ca; goberdorst@msn.com; James.lockey@uc.edu;  
brooke.mossman@uvm.edu  
**Cc:** ass1@cdc.gov; dld7@cdc.gov; svr1@cdc.gov  
**Subject:** Premeeting Comments

**Attachments:** case.doc; Word for Windows 97; lockey3.doc; McConnell.doc; mossman\_comments.doc; oberdorster.doc; WordPerfect 6.1; ober\_lit.doc; mossman\_refs.doc



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ippman.wpd (30 KB)



lockey3.doc (31 KB)



McConnell.doc (44 KB)



mossman\_comments.doc (30 KB)



oberdorster.doc (34 KB)



Wallace.wpd (31 KB)



ober\_lit.doc (7 KB)



mossman\_refs.doc (34 KB)

Dear Expert Panel,

Tonight via Federal Express I am sending you a hard copy of the premeeting comments received from each of you, as well as lists of references some of you provided. I am also attaching to this e-mail the electronic files as they were received.

Also enclosed in the package is the working agenda, the contact list of panel members, and the ATSDR briefing paper on exposure to fibrous glass (WTC).

Please read the premeeting comments and contact your co-discussion leader regarding the preparation of an oral summary that one of you (or

both) will give to initiate discussions on your assigned topic. If possible, we ask that you bring with you an electronic copy of your summary that we can use in the final summary report, or you can e-mail it to us. As we mentioned, we will have an overhead, a flipchart, and a data view projector available on site.

If you have any questions prior to the meeting, please give me a call.

Otherwise, I will see you on the 6th floor of the Jacob Javitz Federal Plaza building at 1:00PM on Tuesday, October 29th.

Safe Travels, Kate

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### Rodenbeck, Sven (ATSDR/DHAC/CAPEB)

**From:** Susten, Allan  
**Sent:** Monday, October 21, 2002 3:45 PM  
**To:** Kate Schalk  
**Cc:** DeVoney, Danielle; Williams, Robert C. (Bob); Rodenbeck, Sven; Naida Gavrelis (E-mail)  
**Subject:** RE: Logistics and AV issues  
  
**Importance:** High

Kate, I've spoken with Bob Williams about his AV requirements. As of right now, he hasn't made up his mind but is leaning towards not using power point and probably not any overheads. We still haven't talked to Dr. Falk but will get back to you soon. Friday is approaching fast.

as

In order to finalize the agenda and make sure I will have the necessary AV equipment, please let me know who will be making the opening presentations; and what they will require for AV:

Welcome ATSDR Region 2 Who ?? What AV needs?

Introductory Remarks Henry Falk What AV needs?

Purpose of Meeting ATSDR Who???? What AV needs?

I will have an overhead projector, a data view projector, and a lap top with Powerpoint 2000. If any of the ATSDR speakers plan to use PowerPoint, please send me their presentation by Friday, so I can check it on the lap top and make sure it runs properly, without any loading or conversion errors.

Meeting Logistics: I can make any logistics announcements regarding breaks, bathrooms, phones, etc., unless Dr. Lippmann wishes to do this.

IU can discuss this with him.

Onsite Assistance

I have been working with Antoinette Jones from Artie Block's office to coordinate the logistics. I was hoping to ask for her assistance during the set up and registration period on the first day. Can I do that directly, or do you need to authorize this? Let me know.

I look forward to hearing back from you on these issues.

Thanks, Kate

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**Rodenbeck, Sven (ATSDR/DHAC/CAPEB)**

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**From:** Kate Schalk [Kate.Schalk@erg.com]  
**Sent:** Monday, October 21, 2002 10:42 AM  
**To:** ass1@cdc.gov; dld7@cdc.gov; svr1@cdc.gov  
**Subject:** Current Agenda

**Attachments:** WordPerfect 6.1



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\*\* High Priority \*\*

Hi All,

Attached is the agenda. I will be compiling the panelist's comments today and sending them to you tonight via Fed Ex, as well as e-mail attachments. The final agenda will include the names of the panelists assigned as discussion leaders.

We should schedule a brief call with Dr. Lippmann later this week to review any details regarding discussion goals, the others' comments and key issues they have identified, etc. What day/time is best for you?

I'll check in with you tomorrow.

Regards, Kate

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